



AGROMET ADVISORY BULLETIN
GRAMIN KRISHI MAUSAM SEWA, AMFU, KOLHAPUR
ZONAL AGRICULTURAL RESEARCH STATION,
SHENDA PARK, KOLHAPUR



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Weather based Agromet Advisory committee meeting dated 28.01.2021

District: SANGLI

Last Week Weather Summary (22.01.2022 to 28.01.2022)							Weather Parameters	Weather Forecast (29.01.2022 to 02.02.2022)				
22	23	24	25	26	27	28	Date	29	30	31	01	02
0	0	0	0	0	-	-	Rainfall (mm)	0	0	0	0	0
34.6	30.9	28.5	27	27.5	-	-	Max. Temp. (°C)	31	32	33	32	31
16	17.7	16.4	13.5	13.5	-	-	Min. Temp. (°C)	20	21	21	20	19
3	3	6	3	3	-	-	Cloud Cover	0	0	0	1	0
90	87	67	85	90	-	-	Max. RH (%)	60	59	53	58	51
34	53	53	48	44	-	-	Min. RH (%)	46	45	43	40	40
0	1.9	0	0	0	-	-	Wind Speed(km/hr)	13	10	6	8	7
0	25	0	0	0	-	-	Wind Direction	E	ENE	ENE	NE	ENE

Agromet Advisory Based on Weather Forecast Prediction

Crop	Stage	Advisory
Weather Summary/ Alert		Weather forecast given by Regional Meteorological Centre, Mumbai has indicated that there is possibility of mainly clear sky from 29 th January to 2 nd February in Sangli district. During next 5 days Maximum temperatures will remain nearby 31.0 to 33.0 and minimum nearby 19.0 to 21.0°C respectively. Morning relative humidity will remain between 51 to 60% and Afternoon relative humidity will remain 40 to 46%. Wind speed will remain between 06 to 13 km/hr. According to Extended Range Forecast (ERF) in Madhya Maharashtra Sub Division maximum temperature will remain below normal and minimum temperature will remain normal valid from 2 nd to 8 th February, 2022.
General Advisory		<ul style="list-style-type: none"> ➤ Farmers should download and install "Phule Irrigation Scheduler (PSI)" in their android mobile for effective irrigation management of irrigation according to crop stage and type of soil and important information regarding water requirement of crop and run time of irrigation unit. ➤ Give irrigation to fruit crops during night time for maintaining temperature in orchard. ➤ Carry out mulching to fruit orchards for maintaining temperature in Orchards. ➤ Give irrigation to rabbi crops like Wheat and Chickpea as per their irrigation requirement.
SMS Advisory		<ul style="list-style-type: none"> ➤ Carry out spraying of 19:19:19 water soluble fertilizer @ 200 gram per 10 liters of water after 70 days of sowing of Wheat crop.
Rabbi Sorghum	Grain filling to maturity	<ul style="list-style-type: none"> ➤ Protect matured sorghum crop from Birds. ➤ At the maturity stage the tip of sorghum grain gets black spot. Carry out harvesting of matures crop. Keep the earheads under sunlight for 8 to 10 days for proper drying.
Maize	Vegetative growth to Tasseling	<p>Control of American Fall Army Worm</p> <ul style="list-style-type: none"> ➤ Chemical Control: 1. At the initial growth stage of larva i.e. up to the 1 to 3 instar spray the crop with 5% Neem Seed Kernel Extract @5 ml per liter of water or 2. Take the spray of Thiamethoxam 12.6%+Lambda Cyhalothrin 9.5% Z C @0.5 ml per liter of water or 3. Take the spray of Chlorantraniliprole 18.5 %S.C. @0.3ml per liter of water. ➤ Do not give green maize fodder to cattle's immediate after spraying of insecticide and do not use this green maize fodder for silage making immediate after spraying.
Wheat	Flowering to grain filling	<ul style="list-style-type: none"> ➤ For control of Aphid infestation on Wheat spray the crop with Thiamethoaxam 25% WG 50 gram per hector through mixing in 500 liters of water. ➤ Give irrigation to crop 80 to 85 days after sowing at grain filling stage of wheat crop. ➤ Carry out spraying of 19:19:19 water soluble fertilizer @ 200 gram per 10 liters of water after 70 days of sowing.
Chick pea	Flowering to pod filling	<ul style="list-style-type: none"> ➤ For control of gram pod borer install bird perches into chickpea crop and install 5 pheromone traps per hector. ➤ For control of gram pod borer take the spray of Heliokill 500 ml per 500 liter of water per hector.



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Grape	Berry development	<ul style="list-style-type: none">➤ Due to persisting high humidity and low temperature there is possibility of increase in incidence of powdery mildew disease on grape thus to control take One spray of Ampelomyces quisqualis @5g per liter of water.➤ Give irrigation to Grape vine yard during night time for maintaining temperature.
Sugarcane	Adsali	<ul style="list-style-type: none">➤ During January month the rate of evaporation increases up to 4.07 mm per day thus to fulfill this requirement Sugarcane crop needs 2.24 liters of water per day so to meet this water requirement Drip Irrigation Unit require to run for 34 minutes daily.
	Preseasonal Sugarcane	<ul style="list-style-type: none">➤ Preseasonal Sugarcane: Give the fertilizer dose of Nitrogen 136 kg (295 kg Urea) at 6 to 8 weeks after planting of sugarcane.➤ During January month the rate of evaporation increases up to 4.07 mm per day thus sugarcane plant requires 2.24 liters water per day to fulfill that requirement it is need to run Drip irrigation unit (4 liters dripper) for 34 minutes per day.
Ginger	Maturity	<ul style="list-style-type: none">➤ Carry out harvesting of matured rhizomes as per the market demand. Wash the harvested rhizomes with water and keep at safe place.
Banana	Fruit development	<ul style="list-style-type: none">➤ Apply light and frequent irrigation in the evening hours to protect the crops from cold injury.➤ Cover banana bunches with porous polythene bags.
Pomegranates	Growth	<ul style="list-style-type: none">➤ There is possibility of incidence of Aphids, Thrips, Whitefly and Fruit Borer thus to control take the spray of Cyantraniliprole 10.26% OD 7 to 9ml per 10 liters of water.
Turmeric	Maturity	<ul style="list-style-type: none">➤ Carry out harvesting of crop according varieties and after completion of the crop duration at maturity stage. Stop irrigating crop 15to 20 days before harvesting of matured crop according to soil type.
Animals	Growth	<ul style="list-style-type: none">➤ Keep cattle's inside the sheds during night and provide dry bedding to protect them from cold.➤ Increase protein level and minerals in the feed concentrate to keep the animals healthy to cope up with the cold condition.➤ Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals.➤ Do not keep cattle/goat in the open during night time.
Poultry	Growth	<ul style="list-style-type: none">➤ In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

Source:

1) Weather Forecast

: Research Section, Mumbai

2) Last week weather summary

: IMD observatory (ZARS,KOLHAPUR)

Place : ZARS, KOLHAPUR

Sd/-

Date :28.01.2022

Nodal Officer, GKMS, &
Associate Director of Research,
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